

FORM PTO - 1449 (Modified)
List of Patents and Publications
For Applicant's Information
Disclosure Statement
(Use Several Sheets if Necessary)

ATTORNEY DOCKET NO: 6006-157
APPLICANT: Banas, et al.
FILING DATE: 5/6/04
SERIAL NO: 10/840,205
GROUP: 3738

U.S. PATENT DOCUMENTS

Examiner's Initials	Ref. Desig.	Document Number	Date	Name	Class	Subclass
	AA1					
	AB1					
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	AD1					
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FOREIGN PATENT DOCUMENTS

	Ref. Desig.	Document Number	Date	Country	Class	Subclass	Trans. Yes No
TB	AL1	01/53559	26.07.01	WIPO	C23C	14/14	
	AM1	01/55473	02.08.01	WIPO	C23C	14/00	
	AN1	97/07257	27.02.97	WIPO	C23C	14/00	
	AO1	00/04204	1/24/00	WIPO	C23C	14/34	
	AP1	00/54704	9/21/00	WIPO	A61F	2/06	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TB AR1 "Multilayer Ceramic/Metallic Coatings by Ion Beam-Assisted, Electron Beam Physical Vapor (EB-PVD) Deposition, Penn State Applied Research Laboratory, pp. 1-4 (1997)

TB AS1 "The Effects of Ion Irradiation on NiTi Shape Memory Alloy Thin Films" by F. Goldberg and E. Knystautas, Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 177-182 (1997)

TB AT1 "Vacuum Conditions for Sputtering Thin Film TiN", Journal of Vacuum Science and Technology, JVST A Online, pp. 1-2 (Abstract view)

EXAMINER /Thomas Barrett/

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TB	AL2	01/21852	3/29/01	WIPO	C23C	14/34	
↓	AM2	01/43790	6/21/01	WIPO	A61L	33/02	
	AN2	01/55473	8/2/01	WIPO	C23C	14/00	
	AO2	01/21851	3/29/01	WIPO	C23C	14/34	
	AP2	97/44692	11/27/97	WIPO	G02B	6/16	

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TB AR2 "Relative importance of bombardment energy and intensity in ion plating", K.S. Fancey, et al., Journal of Vacuum Science & Technology A: Vacuum, Surfaces and Films, Vol. 13, Issue 2, pp. 428-435 (Abstract view) March 1995

TB AS2 "Thin Film Shape Memory Microvalves with Adjustable Operation Temperature" by Kohl, Dittmann, Quandt and Winzek, Sensors and Actuators, Vol 83, pp. 214-219, (2000)

TB AT2 "Multicomponent Film Deposition by Target Biasing", IBM Technical Disclosure Bulletin, pp. 1-2 (July 1980)

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	Ref. Desig.	Document Number	Date	Country	Class	Subclass	Trans. Yes No
TB	AL3	99/23977	5/20/99	WIPO	A61F 2/08		
	AM3	99/62432	12/9/99	WIPO	A61F 2/08		
	AN3	1452370	3/21/74	Germany	C21C 37/15		
	AO3	0 400 947	5/29/90	Europe	C23C 16/00		
	AP3	0 442 303	1/25/91	Europe	C23C 16/26		

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TB AR3 "Oriented nickel-titanium shape memory alloy films prepared by annealing during deposition" by Kathleen Gisser, et al., Applied Physics Letters, Vol. 61, Issue 14, pp. 1632-1634 (Abstract View)

TB AS3 "Thin Film Shape Memory Alloy Microactuators" by TiNi Alloy Company (online)

TB AT3 "A Concise History of Vacuum Coating Technology, Part 2: 1940 to 1975" by D. Mattox, www.svc.org/HistoryofVac2.html, pp 1-15

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Ref. Desig.	Document Number	Date	Country	Class	Subclass	Trans. Yes No
TB AL4	11267462	10/5/99	Japan	B01D	59/34	
AM4	51055724	5/17/76	Japan	C22C	01/02	
AN4	01/56502	8/9/01	WIPO	A61F	2/06	
AO4						
AP4						

OTHER ART (Including Author, Title, Date, Pertinent Pages, Etc.)

TB AR4 "Constitutive Parts of a Shape Memory Alloy Titanium Nickel Thin Film Catheter" by L. Buchailot, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Gove, California, USA, pp. 183-188 (1997)

TB AS4 "The Characteristics of NiTi HCD-Deposited SMA Films" by H. Weixin, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Gove, California, USA, pp. 167-172 (1997)

TBAT4 "Microstructure of Ti-Rich TiNi Thin Films" by A. Ishida, et al., Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Gove, California, USA, pp. 161-166 (1997)

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AM5						
AN5						
AO5						
AP5						

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TB AR5 "The Experimental Use of Steel Mesh Tubes for the Replacement of Arterial Segments," by Larry, Banning G., M.D., et al., Presented at the Third Scientific Meeting of the North American Chapter of the International Society of Angiology, Atlantic City, NJ, pp. 69-75 (June 4, 1955)

TB AS5 "Progress in Thin Film Shape Memory Microactuators," by Johnson, et al., www.sma-mems.com/recent.htm (Overview), pp. 105

TB AT5 "A Concise History of Vacuum Coating Technology, Part 2: 1940 to 1975," by D. Mattox, www.svc.org/HistoryofVac2.html, pp. 1-5

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AL6						
AM6						
AN6						
AO6						
AP6						

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TB AR6 "Model Surfaces for Studying and Controlling the Adhesion of Cells" by M. Mrksich, AVS 47th International Symposium, Invited Paper No. BI+EL-TuA1 (October 3, 2000)

TB AS6 "Cell Response to Chemically and Topographically Modified Surfaces" by D.S. Sutherland, et al., AVS 47th International Symposium, Invited Paper No. BI+EL-TuA3 (October 3, 2000)

TB AT6 "Tissue Formation of Hepatocytes on Micro-Porous Films of Polylactide" by T. Nishikawa, et al., AVS 47th International Symposium, Invited Paper No. BI+EL-TuA10 (October 3, 2000)

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AL7						
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AN7						
AO7						
AP7						

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TB AR7 "Endothelial Cell Organization on Micropatterned Protein Surfaces" by R. Daw, et al., AVS 47th International Symposium, Invited Paper No. BI-WeP21 (October 4, 2000)

TB AS7 "The Nanomechanical Properties of Thin Films" by J.E. Houston, AVS 47th International Symposium, Invited Paper No. TF-TuA1 (October 3, 2000)

TB AT7 "Porous and nonporous polycarbonate Urethane stent-grafts for TIPS formation: biologic responses (abstract)" by Z.J. Haskal and L.J. Brennecke, J. Vasc. Interv. Radiol., Vol. 10, No. 9, pp. 1255-1263 (October 1999)

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AL8						
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AN8						
AO8						
AP8						

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TB AR8 "Primary Implantation of Polyester-Covered Stent-Grafts for Transjugular Intrahepatic Portosystemic Stent Shunts (TIPSS): A Pilot Study" by Manfred Cejna, et al., Cardiovasc Intervent Radiol, Vol. 22, pp. 305-310 (1999)

TB AS8 "Sputtering Targets High-Quality Thin Film Materials" by AMETEK Specialty Metal Products online at www.ametek84.com/fd-sputtering.html, pp. 1-3

TB AT8 "The influence of Ion Irradiation during film growth on the chemical stability of film/substrate systems" by W. Ensinger, Surface and Coatings Technology, Vol. 80, pp. 35-48 (1996)

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ADDED PAGE

- TB
1. "Anomalous Plastic and Elastic Behaviors of Sputter-deposited TiN with 10 or 20 Inserted Thin Al Layers Evaluated by Nanoindentation" by E. Kusano, et al., AVS 47th International Symposium, Paper No. TF-TuA3 (October 3, 2000)
 2. "Recent Progress in the Application of Thin Film Shape Memory Alloys" by A.D. Johnson and J.D. Busch, Proceedings of the First International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 299-310 (1994)
 3. "Shape Memory Properties in NiTi Sputter-deposited Film", by J.D. Busch and A.D. Johnson, J Appl. Phys., Vol. 68, No. 12, pp. 6224-6226 (December 15, 1990)
 4. "Thin-film Processing of TiNi Shape Memory Alloy" by J.A. Waker and K.J. Gabriel, Sensors and Actuators, A21-A23, pp. 243-246 (1990)
 5. "Sputter-deposition of TiNi, TiNiPd and TiPd films displaying the two-way shape-memory effect" by E. Quandt, et al., Sensors and Actuators, A 53, pp. 434-439 (1996)
 6. "Applications of Shape-Memory Alloy Thin Films" by A.D. Johnson and V.V. Martynov, Proceedings of the Second International Conference on Shape Memory and Superelastic Technologies Asilomar Conference Center, Pacific Grove, California, USA, pp. 1-8 (1997)
 7. "Liquid Sources for Chemical Vapor Deposition of Group 6 Metals and Metal Nitrides" by Gordon, et al., www.techtransfer.harvard.edu/cgi-bin/TALSearch.cgi?full_report=1&case=3, Case Number 1709
 8. "Stents: Literature," <http://www.phytis.com/liter.htm>, pp. 1-8

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